

2.4.7 FIRE PROTECTION AND WATER SUPPLY

All buildings that require sprinkler and/or standpipe systems shall conform to the codes and DPW requirements, which are as follows:

- Connecticut State Building Code.
- Connecticut State Fire Safety Code.
- DPW Consultants Procedure Manual.
- FM Global Technical Bulletins

Shop Drawings: Sprinkler system shop drawings and hydraulic calculations must be stamped by a professional engineer licensed in the state of Connecticut and must include the DPW project number. Two (2) sets of information [Old version = Division 01 "Submittals" Section 01300 or Division 01 "Substitution Procedures" Section 01 25 00] shall be submitted to the State's Insurance Carrier (SIC), and one (1) set shall be submitted to a) the State Fire Marshals (SFM) office for projects exceeding statutory threshold limit or b) to DPW Code Unit for those projects which do not exceed statutory threshold limit.

STATE INSURANCE CARRIER (SIC):

FM Global
Factory Mutual Insurance Company
P.O. Box 9102 500 River Ridge Drive
Norwood, MA 02062
Tel: (781) 440-8000 or FAX (781) 440-8742
Contact: Costa Terzides (781) 440-8204 or Jeannette Dantona (781) 440-8245

Exceeds Threshold

STATE FIRE MARSHALS (SFM):

Deputy State Fire Marshal
1111 Country Club Road, PO Box 2794,
Middletown, CT 06457
Tel: (860) 685-8350

Does not exceed threshold

DPW Codes Unit (DPW CU)

State Office Building - DPW
165 Capitol Avenue, Room 275
Hartford, CT 06106
Joseph Cassidy, PE (860) 713 5705

Before the shop drawings are submitted to SIC or Code (either SFM or DPW), the A/E and/or the A/E's fire protection consultant must review the sprinkler design for compliance with the code and DPW requirements. SIC review comments will be addressed to the designated DPW Project Manager. The designated DPW Project Manager shall confirm to the A/E any changes required by SIC/SFM. The A/E is responsible for changes that result from the SIC and/or Code (SFM or DPW) required during construction. The DPW Chief Engineer will decide any disputed issues between the SIC and the A/E.

CONSTRUCTION: The State Insurance Carrier (SIC) requires two- (2) weeks prior notice of a sprinkler system acceptance test.

WATER SUPPLY

The A/E shall provide as part of the design development review submittal water supply technical data. The data must be obtained within the past two years from a water-flow test approved by DPW. If data is not available the A/E shall cause such a test to be conducted to acquire the information. The water test shall conform to the procedures described in the National Fire Protection Association (NFPA) Standard 291, "Fire Flow Testing and Marking of Hydrants", (specific edition currently enforced by codes); or the procedures described in the NFPA Handbook "Testing of Water Supplies". The results of the water flow test shall be plotted in the form of a three-point curve to ensure accuracy of the test results. The water flow test report is to be included in the "Sprinkler" section of the specifications.